

What is Claimed Is:

1. A light display power box comprising:

5 a plurality of outlets, including a first of said plurality of outlets adapted to receive at least one string of clear lights, and a second of said plurality of outlets adapted to receive at least one string of colored lights;

a sensor unit adapted to receive command signals;

10 electronic circuitry including a microprocessor programmed to receive, process, and use said command signals to cause said at least one string of colored lights and said at least one string of clear lights to illuminate either together or separately according to a selected light display pattern; and

a power plug adapted to connect to a power source for providing power to said light display power box.

15 2. The light display power box of Claim 1, further comprising a transmitter for generating command signals, wherein said transmitter comprises a plurality of control buttons for selecting said command signals for transmission to said sensor unit, thereby selectively establishing defined light display patterns for said string of clear lights and said string of colored lights.

20 3. The light display power box of Claim 1, wherein said plurality of outlets is adapted to receive a plurality of colored light strings wherein each of the plurality of colored light strings include a plurality of lights different in color from at least one other of said plurality of colored light strings.

25 4. The light display power box of Claim 1, wherein said string of colored lights includes lights of at least two different colors.

5. The light display power box of Claim 1, wherein said command signals alter the brightness of said string of colored lights and said string of clear lights.

6. The light display power box of Claim 1, wherein said command signals cause said string of colored lights and said string of clear lights to blink.

7. The light display power box of Claim 1, wherein said command signals cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals thereby producing a random pattern of illumination.

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8. The light display power box of Claim 1, wherein said command signals cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at sequential intervals thereby producing a traveling affect light pattern.

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9. The light display power box of Claim 1, wherein said command signals are selected to implement at least two of the following: alter the brightness of said string of colored lights and said string of clear lights; cause said string of colored lights and said string of clear lights to blink; cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals thereby producing a random pattern of illumination; cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at sequential intervals thereby producing a traveling affect light pattern.

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10. The light display power box of Claim 1, wherein said command signals are selected to implement at least three of the following: alter the brightness of said string of colored lights and said string of clear lights; cause said string of colored lights and said string of clear lights to blink; cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals thereby producing a random pattern of illumination; cause said string of colored lights and said string of clear lights to change from a

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lighted state to a dark state at sequential intervals thereby producing a traveling affect light pattern.

11. The light display power box of Claim 1, wherein said command signals  
5 are selected to implement the following light patterns: alter the brightness of said string of colored lights and said string of clear lights; cause said string of colored lights and said string of clear lights to blink; cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals thereby producing a random pattern of illumination; cause said string of colored lights and said string of clear lights to change from a  
10 lighted state to a dark state at sequential intervals thereby producing a traveling affect light pattern.

12. The light display power box of Claim 1, further comprising an on/off switch for regulating electrical power to said light display power box.  
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13. The light display power box of Claim 1, wherein said power plug is an AC power plug.

14. The light display power box of Claim 1, wherein said power plug is  
20 adapted to provide DC power to said light display power box.

15. A light display power box of Claim 2, wherein said transmitter is a remote control transmitter, and wherein said command signals are wireless command signals.

16. The light display power box of Claim 16, wherein said sensor unit  
25 includes an infrared sensor unit.

17. The light display power box of Claim 16, wherein said remote control transmitter further comprises a window for transmitting said wireless command signals through said window.

5 18. The light display power box of Claim 16, wherein said sensor unit further includes an attachment apparatus for affixing said sensor unit to a desired location.

19. The light display power box of Claim 16, wherein said remote control transmitter operates at a radio frequency and said sensor unit is adapted to receive said radio  
10 frequency.

20. The light display power box of Claim 19, wherein said radio frequency is in a range of approximately 200 MHz to 400 MHz.

15 21. A light display power box comprising: ~  
six outlets, wherein a first three of said outlets are adapted to receive at least one string of clear lights, and a second three of said outlets are adapted to receive at least one string of colored lights, wherein said at least one string of colored lights comprises lights of at least two different colors;

20 a sensor unit adapted to receive command signals;  
electronic circuitry including a microprocessor programmed to receive, process, and use said command signals to cause said at least one string of colored lights and said at least one string of clear lights to illuminate either together or separately according to a selected light display pattern; and

25 a power plug adapted to connect to a power source for providing power to said light display power box.

22. The light display power box of Claim 21, wherein said first three of said outlets are color coded by a first color and said second three of said outlets are color coded by a second color, wherein said first color is a different color than said second color.

5 23. The light display power box of Claim 21, further comprising a transmitter for generating command signals, wherein said transmitter comprises a plurality of control buttons for selecting said command signals for transmission to said sensor unit, thereby selecting a defined light display patterns for said string of clear lights and said string of colored lights.

24. The light display power box of Claim 21, wherein said command signals alter the brightness of said string of colored lights and said string of clear lights.

10 25. The light display power box of Claim 21, wherein said command signals cause said string of colored lights and said string of clear lights to blink.

26. The light display power box of Claim 21, wherein said command signals cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals thereby producing a random pattern of illumination.

15 27. The light display power box of Claim 21, wherein said command signals cause said string of colored lights and said string of clear lights to change from a lighted state to a dark state at sequential intervals thereby producing a traveling affect light pattern.

28. The light display power box of Claim 21, wherein said power plug is an AC power plug.

20 29. A light display power box of Claim 23, wherein said transmitter is a remote control transmitter, and wherein said command signals are wireless command signals.

30. The light display power box of Claim 29, wherein said remote control transmitter further comprises a window for transmitting said wireless command signals through said window.

31. The light display power box of Claim 29, wherein said sensor unit further includes an attachment apparatus for affixing said sensor unit to a desired location.

32. The light display power box of Claim 29, wherein said remote control  
5 transmitter operates at a radio frequency and said sensor unit is adapted to receive said radio frequency.

33. A light display system comprising:  
a plurality of outlets, including a first of said plurality of outlets adapted to  
receive a string of clear lights, and a second of said plurality of outlets adapted to receive a string  
10 of colored lights;  
a remote control transmitter for generating wireless command signals;  
a sensor unit adapted to receive said wireless command signals;  
electronic circuitry including a microprocessor programmed to receive, process,  
and use said wireless command signals to cause said string of colored lights and said string of  
15 clear lights to illuminate according to a selected light display pattern; and  
a power plug adapted to connect to an AC power source for providing power to  
said light display system.

34. A method of displaying clear lights and colored lights comprising the  
20 steps of:  
providing power to a light display power box having a series of outlets for  
receiving at least one string of clear lights and at least one string of colored lights;  
selecting command signals on a transmitter, wherein said command signals  
correspond to a light display pattern to be displayed by said at least one string of clear lights and  
25 said at least one string of colored lights;  
sending said command signals from said transmitter to a sensor unit electrically  
coupled to said light display power box;

receiving, processing, and using said command signals through a microprocessor housed within said light display power box, so as to display selected light display patterns corresponding to said command signals.

5                   35.     The method of displaying clear lights and colored lights of Claim 34 further comprising a step of receiving a plurality of colored light strings and a plurality of clear light strings.

10                   36.     The method of displaying clear lights and colored lights of Claim 35, wherein each of said plurality of colored light strings includes a plurality of lights different in color from at least one other of said plurality of colored light strings.

15                   37.     The method of displaying clear lights and colored lights of Claim 34, further comprising a step of receiving said at least one of string of colored lights having lights of at least two different colors in said string of colored lights.

20                   38.     The method of displaying clear lights and colored lights of Claim 34, wherein said command signals are selected to alter the brightness of said string of colored lights and said string of clear lights.

                  39.     The method of displaying clear lights and colored lights of Claim 34, wherein said command signals are selected to cause said string of colored lights and said string of clear lights to blink.

25                   40.     The method of displaying clear lights and colored lights of Claim 34, wherein said command signals are selected to cause a random pattern of illumination.

                  41.     The method of displaying clear lights and colored lights of Claim 34, wherein said command signals are selected to cause a traveling affect light pattern.

42. The method of displaying clear lights and colored lights of Claim 34, wherein said command signals are selected to cause at least two of the following: altering brightness of said string of colored lights and said string of clear lights; blinking said string of colored lights and said string of clear lights; producing a random pattern of illumination by causing said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals; producing a traveling affect light pattern by causing said string of colored light and said string of clear lights to change from a lighted state to a dark state at sequential intervals.

43. The method of displaying clear lights and colored lights of Claim 34, wherein said command signals are selected to cause at least three of the following: altering brightness of said string of colored lights and said string of clear lights; blinking said string of colored lights and said string of clear lights; producing a random pattern of illumination by causing said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals; producing a traveling affect light pattern by causing said string of colored light and said string of clear lights to change from a lighted state to a dark state at sequential intervals.

44. The method of displaying clear lights and colored lights of Claim 34, further comprising a step of choosing command signals to cause the following: altering brightness of said string of colored lights and said string of clear lights; blinking said string of colored lights and said string of clear lights; producing a random pattern of illumination by causing said string of colored lights and said string of clear lights to change from a lighted state to a dark state at random intervals; producing a traveling affect light pattern by causing said string of colored light and said string of clear lights to change from a lighted state to a dark state at sequential intervals.

45. A method of displaying clear lights and colored lights comprising steps of:



providing power to a light display power box having a series of outlets for receiving at least one string of clear lights and at least one string of colored lights;

selecting wireless command signals on a remote control transmitter, wherein said wireless command signals correspond to a display pattern to be displayed by said at least one string of clear lights and said at least one string of colored lights;

sending said wireless command signals from said remote control transmitter to a sensor unit electrically coupled to said light display power box;

receiving, processing, and using said wireless command signals through a microprocessor housed within said light display power box and programmed to process said wireless command signals received by said sensor unit, so as to display selected light display patterns corresponding to said wireless command signals.